

DX5100

Big projection

- Bright projection – 2800 ANSI Lumens
- XGA resolution, 15,000:1 contrast ratio, HDMI input
- Low ownership costs - up to 10,000 hours² lamp life
- Lightweight and portable, carry bag included



DX5100

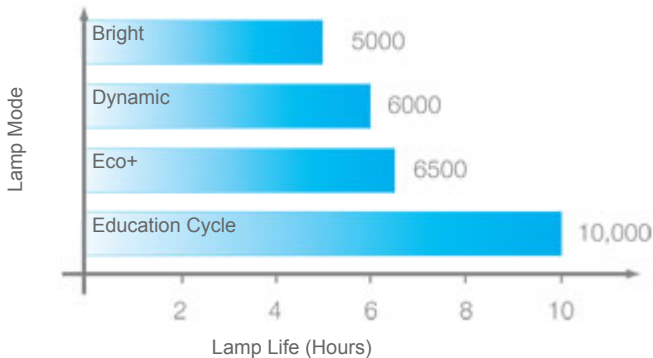
Ideal for use in a meeting room or classroom, the DX5100 has a bright 2800L and 15,000:1 contrast allowing you to project bright, crystal clear images with superb colours using DLP® and BrilliantColor™ technologies. Incredible lamp life of up to 10,000 hours combined with Eco+ technology provides energy and money saving features. Installed or on the move with the included carry bag, the versatile DX5100 incorporates HDMI, built in speaker. Full 3D technology and optional wireless capabilities that are easy to use.

Bright Images

Project in ambient light conditions with the ultra bright 2800 ANSI Lumens. Ideal for meeting rooms and classrooms.

Cost Saving – Long Lamp Life

Reduce the number of lamp changes with lamp life of up to 10,000 hours² using the Education Cycle.



Clear, Focused Images

Produce a stunning 15,000:1 contrast ratio for pin sharp graphics and crystal clear text using the unique Dynamic mode feature.

Combined with DarkChip3 technology for Texas Instruments, Dynamic mode automatically adjusts the lamp output, based on the brightness information of each frame; to create a stunning high contrast ratio. Bright scenes are crisp and clear, while dark scenes remain detailed with deep blacks which gives exceptional light and shade detail.



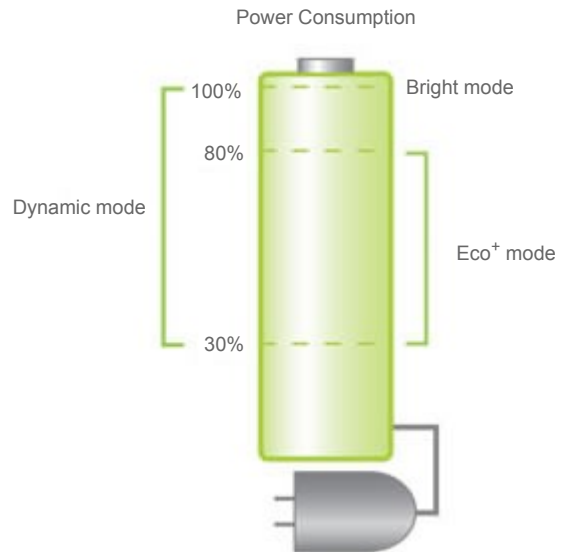
Green Solutions



Eco+ technology from Optoma increases our commitment to reducing the impact we all make on the environment

Eco+ Mode

Saving energy saves money! Eco+ technology reduces the power consumption to as little as 30%. This intelligent feature can more than double your expected lamp life, lowering the total cost of ownership and reducing maintenance.



Auto Power Off

There may be instances when the projector is left running when not in use. To help save energy if the projector is left running and no source is detected, the "Auto Power Off" feature automatically turns off the projector after a set period of time.

Eco AV Mute

Stay in control of your presentation with the Eco AV mute feature. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also instantly reduces the power consumption to 25%, further prolonging the life of your lamp.



Eco AV mute off
100% power consumption

Eco AV mute on
25% power consumption



We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being recyclable are built in at the design stage. With each new product, we strive towards minimising our environmental impact.

Audio Capability

Built-in 2W speaker offers excellent audio support. The DX5100 is easy to set up without the need for costly external speakers.



Control

RS232 Compatibility - The DX5100 comes with an extensive RS232 command set making it simple and easy to control with any control system. AMX Compatibility - Dynamic Discovery Protocol is incorporated into the DX5100. This feature allows for easy installation with AMX control systems.



Amazing Colours

The DX5100 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Colour Guarantee



We are so confident that the DX5100 image colour quality will remain as good as the day you bought it that we will guarantee it for five years.

BrilliantColor™



The DX5100 incorporates BrilliantColor™ multi-colour processing technology to bring stunning, vibrant colour to your screen. Using six separate primary and secondary colours to produce a new level of colour performance and control; BrilliantColor™ increases colour brightness by up to 50% over other technologies to create accurate true to life images.

Rapid Off

It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

Quick Resume

Save time by not waiting for the projector to cool down before it can power up again. If the projector is accidentally turned off, this feature allows the projector to be instantly powered on again, if selected within a period of 100 seconds.

Cooling

On



Easy Lamp Replacement

Top loading lamp cover allows easy access to replace lamps without having to remove the projector from the mount.

Full 3D

Using the inherent speed of DLP technology, The Optoma DX5100. Full 3D projector can display true 3D content from any 3D display device, such as 3D Blu-ray, PS3, Xbox and Sky3D.



Remote Mouse

Keep your audience's attention focussed on the right things using the simple, yet powerful remote with USB mouse control.

Wireless Presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the DX5100. Using the Wireless Adapter you can connect and display presentations and video material wirelessly from a laptop, PC or mobile device. (Additional power required)



Specification Table

| | |
|---------------------------------------|--|
| Display Technology | Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments |
| Native Resolution | XGA 1024 x 768 |
| Brightness - BRIGHT mode ¹ | 2800 ANSI Lumens |
| Contrast | 15,000:1 |
| Noise Level | 26dB (min) |
| Weight | 2.21 kg |
| I/O Connectors | Inputs: HDMI (v1.4a 3D), 2 x 15 Pin D-sub (RGB/YPbPr), S-Video, Composite, Audio In, USB (remote mouse) Outputs: 15 Pin D-sub, Audio Out Control: RS232 - 9 Pin |
| Preset Mode | PC: For computer or notebook (Brightest image) Movie: Maximum contrast and Colour accuracy Game: Bright vivid colour sRGB: For Standard PC Colour (Best Colour Reproduction) User: Memorises user's settings |
| Maximum Resolution | UXGA 1600 x 1200 |
| Computer Compatibility | UXGA, SXGA, XGA, SVGA, VGA, Mac |
| Video Compatibility | PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p) |
| Displayable Colours | 1073.4 Million |
| Projection Lens | F/2.51~2.69; f=21.95~24.18mm, 1.1x Manual Zoom |
| Throw Ratio | 1.97 - 2.17:1 |
| Projection Screen Size | 0.69m – 7.62m (27.24" - 300.04") Diagonal 4:3 |
| Projection Distance | 1.2 - 12 metres |
| Horizontal Scan Rate | 15.3 - 91.1kHz |
| Vertical Scan Rate | 24 - 85Hz |
| Lamp Type/Lamp Life ² | 190W, 10,000 hours ² (Education Cycle) 6500/6000/4500 hours (Eco+/Dynamic/BRIGHT mode) |
| Keystone Correction | ± 40° Vertical |
| Audio | 2W |
| Dimensions (W x D x H) | 316 x 224 x 124mm |
| Remote Control | Full function remote with remote mouse and direct source selecting |
| Power Supply | 100-240V, 50-60Hz |
| Power Consumption | 226W BRIGHT mode < 0.5W Standby mode, 194W Eco+ mode < 0.5W Standby mode |
| Operating Conditions | 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m |
| Uniformity | 85% |
| Security | Security Bar, Kensington Lock, Password Protection |
| Standard Accessories | Carry Bag, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, CD User Manual, Warranty Card |
| Optional Accessories | Ceiling Mount Kit |
| RoHS | Compliant |
| 3D Support | The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification. |
| 3D Viewing | Requires the Optoma DLP-Link shutterglasses - available separately. |
| 3D Compatibility | Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 |
| Offset | 115% |

Easy To Use Remote

DX5100 Remote Control

- 1. Power
- 2. Mouse select
- 3. Source
- 4. Re-sync
- 5. Left mouse click
- 6. Right mouse click
- 7. Mouse control
- 8. Display mode
- 9. Page up/down control
- 10. Vertical keystone correction
- 11. Volume control
- 12. Brightness
- 13. Menu
- 14. Direct input source select
- 15. Eco AV mute
- 16. Eco+
- 17. 3D control



DX5100 Connections

- 18. Audio In (VGA)
- 19. S-Video
- 20. VGA 1
- 21. VGA Out
- 22. HDMI
- 23. RS232
- 24. USB (Remote Mouse)
- 25. Audio In (S-Video/Video)
- 26. KensingtonTM Lock
- 27. Audio Out
- 28. Video
- 29. VGA 2

Exceptional Connectivity / Multiple Terminals



Projection Distance 1.2 - 12m (4:3 Aspect Ratio)

| Projection Distance (m) | Max. Horizontal Image Size (m) | Min. Horizontal Image Size (m) | Max. Vertical Image Size (m) | Min. Vertical Image Size (m) | Min Diagonal Image Size (m) | Max Diagonal Image Size (m) | Min Diagonal Image Size (inch) | Max Diagonal Image Size (inch) | Max. Image Offset (m) |
|-------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|-----------------------|
| 1.20 | 0.61 | 0.55 | 0.46 | 0.42 | 0.69 | 0.76 | 27.24 | 30.00 | 0.07 |
| 2.00 | 1.02 | 0.92 | 0.76 | 0.69 | 1.15 | 1.27 | 45.40 | 50.01 | 0.11 |
| 2.50 | 1.27 | 1.15 | 0.95 | 0.87 | 1.44 | 1.59 | 56.75 | 62.51 | 0.14 |
| 3.00 | 1.52 | 1.38 | 1.14 | 1.04 | 1.73 | 1.91 | 68.10 | 75.01 | 0.17 |
| 4.00 | 2.03 | 1.84 | 1.53 | 1.39 | 2.31 | 2.54 | 90.80 | 100.01 | 0.23 |
| 5.00 | 2.54 | 2.30 | 1.91 | 1.73 | 2.88 | 3.18 | 113.50 | 125.02 | 0.29 |
| 6.00 | 3.05 | 2.76 | 2.29 | 2.08 | 3.46 | 3.81 | 136.19 | 150.02 | 0.34 |
| 7.00 | 3.55 | 3.23 | 2.67 | 2.43 | 4.04 | 4.45 | 158.89 | 175.03 | 0.40 |
| 8.00 | 4.06 | 3.69 | 3.05 | 2.77 | 4.61 | 5.08 | 181.59 | 200.03 | 0.46 |
| 9.00 | 4.57 | 4.15 | 3.43 | 3.12 | 5.19 | 5.72 | 204.29 | 225.03 | 0.52 |
| 10.00 | 5.08 | 4.61 | 3.82 | 3.46 | 5.77 | 6.35 | 226.99 | 250.04 | 0.57 |
| 11.00 | 5.58 | 5.07 | 4.20 | 3.81 | 6.34 | 6.99 | 249.69 | 275.04 | 0.63 |
| 12.00 | 6.09 | 5.53 | 4.58 | 4.16 | 6.92 | 7.62 | 272.39 | 300.04 | 0.69 |



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¹Brightness and lamp lifetime will vary depending on the selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. ²Typical lamp life achieved through testing and will vary according to operational use and environmental conditions. 10,000 hours lamp life is based on a daily cycle that reflects projector

usage in a typical education environment. Details of this cycle are available on request. ³Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (c) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (d) Over time worn lamps within all projector types will show a slight colour variance. Copyright © 2013, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®,

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